NYU9301MSDC CSE14 DEB/CSE/jwb 02/17/95



PATENT APPLICATION
Docket No.: NYU93-01M

THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:

Junming Le, Jan Vilcek, Peter Daddona,

John Ghrayeb, David M. Knight and

Scott A. Siegel

Serial No.:

08/192,102

Group Art Unit: 1806

Filed:

February 4, 1994

Examiner: M. Nisbet

For:

ANTI-THE ANTIBODIES AND PEPTIDES OF HUMAN

TUMOR NECROSIS FACTOR

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to Honorable Commissioner of Patents and Trademarks, Washington D.C. 20231

on 2/17/95

Date

// Signatu

Judy Breen

Typed or printed name of person signing certificate

## TRANSMITTAL OF SUBSTITUTE DECLARATIONS/POWER OF ATTORNEY

The Honorable Commissioner of Patents and Trademarks Washington, DC 20231

Attn: Application Division

Sir:

Enclosed herewith are executed Substitute

Declarations/Power of Attorney (one for Junming Le, one for Jan Vilcek, one for Peter Daddona, one for John Ghrayeb,

one for David M. Knight and one for Scott A. Siegel) for filing in the captioned application. The Substitute Declarations correct the claim for priority to Serial No. 08/010,406, inadvertently omitted from the Declarations filed May 17, 1994. Also, please note the correction in the name of Inventor, Peter Daddona.

Please charge Applicant's Attorney's Deposit Account No. 08-0380 for any additional fees that may be due in this matter. Two duplicate copies are enclosed for that purpose.

Respectfully submitted,

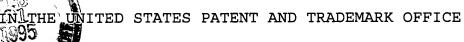
carolyn S. Elmore

Patent Agent

Registration No. 37,567 Telephone: (617) 861-6240

Lexington, MA

Date: 2/7/45



## <u>Substitute</u> Declaration for Patent Application

As a named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated next to my name;

at pag which	e 3 hereof) of the subject matter which is a patent is sought on the invention entitled	d and for
ANT	'I-TNF ANTIBODIES AND PEPTIDES OF HUMAN TUMO	R NECROSIS
the sp	pecification of which (check one)	
/	is attached hereto.	
<u>/x_/</u>	was filed on February 4, 1994 as Application Serial No. 08/192,102 and was amended on (i	f applicable).
conten	hereby state that I have reviewed and unde ts of the above-identified specification, is, as amended by any amendment referred to a	ncluding the
known	acknowledge the duty to disclose informati by me to be material to patentability as de §1.56.	on which is fined in 37
United or inv below certif	hereby claim foreign priority benefits und States Code, §119 of any foreign applicativentor's certificate listed below and have a any foreign application for patent or inventicate having a filing date before that of the chaption is claimed:	on(s) for patent lso identified tor's
	Prior Foreign Application(s)	Priority Claimed
(Numbe	er) (Country) (Day/Month/Year filed)	/_/ /_/ Yes No
(Numbe	er) (Country) (Day/Month/Year filed)	/ / / / / / / / Yes No
(Numbe	er) (Country) (Day/Month/Year filed)	Yes No

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(Application Serial No.)	(Filing date) (Status, patented,
* * * *	pending, abandoned)
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(Application Serial No.)	(Filing date) (Status, patented,
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07/670,827	March 18, 1991 Abandoned
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(PP	pending, abandoned)
	<del>-</del>

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I also hereby grant additional Powers of Attorney to the following attorney(s) and/or agent(s) to file and prosecute an international application under the Patent Cooperation Treaty based upon the above-identified application, including a power to meet all designated office requirements for designated states.

David E. Brook	Registration	No.	22,592
James M. Smith	Registration	No.	28,043
Leo R. Reynolds	Registration	No.	20,884
Richard A. Wise	Registration		
Patricia Granahan	Registration	No.	32,227
Mary Lou Wakimura	Registration		
Thomas O. Hoover	Registration	No.	32,470
Alice O. Carroll	Registration		
Carolyn S. Elmore	Registration	No.	37,567

all of Hamilton, Brook, Smith and Reynolds, P.C., Two Militia Drive, Lexington, Massachusetts 02173;

	Send co	rresponde	nce to: <u>David E. Brook, Esq.</u>
	· · · · · · · · · · · · · · · · · · ·	HAMILTON,	BROOK, SMITH & REYNOLDS, P.C.
	Two	Militia D	rive, Lexington, Massachusetts 02173
	Direct	telephone	calls to: <u>David E. Brook, Esq.</u>
			(617) 861-6240
and hatate state impri	ledge ar pelief a ements we ments a isonment ed State ardize t	e true and re believere made and the line or both some code and the line or both some code and the som	that all statements made herein of my own d that all statements made on information ed to be true; and further that these with the knowledge that willful false ke so made are punishable by fine or , under Section 1001 of Title 18 of the d that such willful false statements may ty of the application or any patent issued
or Inver	ntor's	nventor	Junming Le
Sig	gnature_ dence		Date (75/94) 33-26 92nd Street, Apt. 3X,
Kesi	rence		Jackson Heights, New York 11372
Citiz	zenship_		Chinese
Post	Office		Same as above
		second joint if any	Jan Vilcek
	nd Inven		Odii VIIOON
Sig	gnature		Date
Resid	dence		180 East 79th Street
			New York, New York 10021
	zenship_	7	US Company of the com
Post	Office	Address	Same as above
		third jo if any	int <u>Peter Dadonna</u>
	d Invent		_ :
	gnature_		Date
kes10	dence		1510 Oak Creek Drive Palo Alto, California 94304
Citi	zenship_		US
		Address	

Full name of fourth j	
inventor, if any	John Ghrayeb
Fourth Inventor's	Data
_ Signature	Date
Residence	3202 Raye Road
	Thorndale, Pennsylvania 19372
Citizenship	US
Post Office Address	
Full name of fifth jo	int
inventor, if any	David M. Knight
Fifth Inventor's	
Signature	Date
Residence	Date  2430 Whitehorse Road  Perwan Pennsylvania 19312
	Berwyn, Pennsylvania 19312
Citizenship	
Post Office Address	Same as above
Full name of sixth jo	int
inventor, if any	
Sixth Inventor's	
	Date
Signature	6 Piccadilly Way
Residence	Westborough, Massachusetts 01581
G' - ' 1- '	
Citizenship	US
Post Office Address	Same as apove



### THE UNITED STATES PATENT AND TRADEMARK OFFICE

# Substitute Declaration for Patent Application

As a named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated next to my name;

which a	i patent is sou	ight on the invention en	titled
ANT	-TNF ANTIBODIE	S AND PEPTIDES OF HUMAN	TUMOR NECROSIS
the spe	ecification of	which (check one)	
//	is attached he	ereto.	
$/\overline{X}$	was filed on _	February 4, 1994	as
	Application Se and was amende	rial No. 08/192,102	 (if applicable).
	and was amende	ed Off	(II applicable).
I	hereby state t	hat I have reviewed and	understand the _
claims,	s of the above, as amended by	-identified specification any amendment referred	to above.
-	_	_	
known k	acknowledge th by me to be mat	e duty to disclose information in the desired to patentability and the desired in	as defined in 37
C.F.R.		-	
I	hereby claim f	oreign priority benefits 119 of any foreign appl	s under Title 35,
or inve	entor's certifi	cate listed below and ha	ave also identified
below a	any foreign app	lication for patent or filing date before that	inventor's of the application
on which	ch priority is	claimed:	or one apprication
	Dr	ior Foreign Application(	(s)
	<u> </u>	101 10101911 110011011.	Priority
			Claimed
(Number	c) (Country)	(Day/Month/Year filed)	Yes No
(Number	c) (Country)	(Day/Month/Year filed)	Yes No
(Number	r) (Country)	(Day/Month/Year filed)	Yes No





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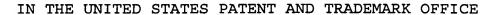
David E. Brook	Registration	No.	22,592
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Leo R. Reynolds	Registration	No.	20,884
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Patricia Granahan	Registration	No.	32,227
Mary Lou Wakimura	Registration	No.	31,804
Thomas O. Hoover	Registration	No.	32,470
Alice O. Carroll	Registration	No.	33,542
Carolyn S. Elmore	Registration	No.	37,567

all of Hamilton, Brook, Smith and Reynolds, P.C., Two Militia Drive, Lexington, Massachusetts 02173;

•	sena c	orresponde	nce c	0: <u>Dav</u>	/IQ E. BI	OOK, ESQ.	
-		HAMILTON,	BROO	K, SMITH	& REYNOL	DS, P.C.	
-	Two	Militia D	rive,	Lexingto	on, Massa	chusetts	02173
. 1	Direct	telephone	calls	s to: <u>I</u>	David E.	Brook, Es	g
					(617) 861	-6240	
knowle and be stated stated impris United	edge as elief and ents and ent	re true an are believ were made and the lit, or both es Code an	d that ed to with t ke so , unde d that	t all sta be true; the knowl made are er Section t such wi	tements of and furst edge that e punishalon 1001 of allful fate	made on inther that the willful ble by first first the large states	false ne or 8 of the
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<u> </u>					its, New	York 1137	
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		f third jo if any		r Dadonna			
	Invent						
Sigr	nature_				-	_Date	
Reside	ence		<u> 1510</u>	Oak Cree	k Drive		
~!			<u>Palo</u>	<u>Alto, Ca</u>	Lifornia	94304	
Citize	enship		US				
rost (	DIIICE	Address	Same	as above	:		
							<del></del>

Full name of fourth j inventor, if any	
Fourth Inventor's	
Signature	Date
Residence	3202 Raye Road
	Thorndale, Pennsylvania 19372
Citizenship	
Post Office Address	Same as above
Full name of fifth jo	
	David M. Knight
Fifth Inventor's	<b>.</b>
Signature	Date
Residence	2430 Whitehorse Road
	Berwyn, Pennsylvania 19312
Citizenship	US .
Post Office Address	Same as above
Full name of sixth jo	int
inventor, if any	Scott A. Siegel
Sixth Inventor's	
Signature	Date
Residence	6 Piccadilly Way
	Westborough, Massachusetts 01581 -
Citizenship	US
Post Office Address	Same as above

•



## Substitute Declaration for Patent Application

named inventor, I hereby declare that:

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which	a patent is sou	ught on the invention entitled
ANT	I-TNF_ANTIBODIE	ES AND PEPTIDES OF HUMAN TUMOR NECROSIS
the sp	ecification of	which (check one)
/	is attached he	ereto.
$\sqrt{x}$	was filed on _	February 4, 1994 as
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	•	·
known l	acknowledge th by me to be mat	ne duty to disclose information which is terial to patentability as defined in 37
	§1.56.	-
I	hereby claim f	foreign priority benefits under Title 35,
United	States Code, §	\$119 of any foreign application(s) for patent icate listed below and have also identified
below a	any foreign app	olication for patent or inventor's
certif	icate having a	filing date before that of the application
on which	ch priority is	claimed:
	<u>Pr</u>	ior Foreign Application(s)
		Priority Claimed
		,
(Numbe:	r) (Country)	(Day/Month/Year filed) Yes No
-		,
(Numbe:	r) (Country)	(Day/Month/Year filed) Yes No
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(Numbe:	r) (Country)	
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all of Hamilton, Brook, Smith and Reynolds, P.C., Two Militia Drive, Lexington, Massachusetts 02173;

Send correspo	ondence to:David E. Brook, Esq.
Send Collespo	Miderice Co: David E. Blook, Esq.
HAMILT	TON, BROOK, SMITH & REYNOLDS, P.C.
Two Militi	a Drive, Lexington, Massachusetts 02173
Direct teleph	none calls to: <u>David E. Brook, Esq.</u>
	(617) 861-6240
and belief are bel statements were ma statements and the imprisonment, or b United States Code	e and that all statements made on information lieved to be true; and further that these ade with the knowledge that willful false is like so made are punishable by fine or both, under Section 1001 of Title 18 of the and that such willful false statements may idity of the application or any patent issued
Full name of sole	
or first invento	orJunming_Le
Inventor's	
Signature	Date
Residence	33-26 92nd Street, Apt. 3X,
Citigonahin	<u>Jackson Heights, New York 11372</u> Chinese
Citizenship Post Office Addres	
Full name of secon	d joint
inventor, if any	
Second Inventor's	
Ciamatuna	Date
Signature	180 East 79th Street
Signature Residence	
Residence	New York, New York 10021
ResidenceCitizenship	New York, New York 10021 US
Residence	New York, New York 10021 US
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ResidenceCitizenshipPost Office AddresFull name of third inventor, if any Third Inventor's	New York, New York 10021 US Same as above  l joint DADDONA Peter Dadonna
Residence Citizenship Post Office Addres Full name of third inventor, if any Third Inventor's Signature	New York, New York 10021  US  SS Same as above  I joint DADDOVA Peter Dadonna  Date 3/2/95
ResidenceCitizenshipPost Office AddresFull name of third inventor, if any Third Inventor's	New York, New York 10021  US  IS Same as above  I joint DADDONA  Peter Dadonna  Date 3/2/95  1510 Oak Creek Drive 35 Andreson WAY
Residence Citizenship Post Office Addres Full name of third inventor, if any Third Inventor's Signature	New York, New York 10021  US  SS Same as above  I joint DADDOVA Peter Dadonna  Date 3/2/95

Full name of fourth	joint
inventor, if any	John Ghrayeb
Fourth Inventor's	
Signature	Date
Residence	3202 Raye Road
	Thorndale, Pennsylvania 19372
Citizenship	
Post Office Address_	Same as above
Full name of fifth jo	
inventor, if any	David M. Knight
Fifth Inventor's	
Signature	Date  2430 Whitehorse Road  Rerwyn Pennsylvania 19312
Residence	2430 Whitehorse Road
	Berwyn, Pennsylvania 19312
Citizenship	US
Post Office Address_	Same as above
Full name of sixth jo	
inventor, if any	Scott A. Siegel
Sixth Inventor's	
Signature	Date 6 Piccadilly Way Weatherough Massachusetts 01581
Residence	6 Piccadilly Way
	Westborough, Massachusetts 01581 -
Citizenship	US
Post Office Address_	



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the spe	ecification of v	which (check	one)		
//	is attached her	reto.			
<u>/x_/</u>	was filed on Application Seand was amended	rial No0		as  _ (if app:	licable).
content	hereby state thes of the above, as amended by	-identified s	pecificatio	n, includ:	d the ing the
known l	acknowledge the by me to be mate §1.56.	e duty to dis erial to pate	close infor ntability a	mation whi s defined	ich is in 37
United or invested below a certific	hereby claim for States Code, States Code, States certificany foreign appicate having a ch priority is	119 of any fo cate listed b lication for filing date b	reign appli elow and ha patent or i	cation(s) ve also io nventor's	for patent dentified
	<u>Pri</u>	or Foreign Ap	oplication(s	P:	riority Claimed
(Numbe:	r) (Country)	(Day/Month/Y	ear filed)		es No
(Numbe:	r) (Country)	(Day/Month/Y	ear filed)	/ <u></u> Ye	No
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	Send c	orresponde	ence to: <u>David E. Brook, E</u>	Esq.
		HAMILTON,	BROOK, SMITH & REYNOLDS, P.	С.
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	Direct	telephone	e calls to: <u>David E. Brook</u> ,	Esq.
. •			(617) 861-6240	
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		f sole inventor	Junming Le	
	ntor's		Data	
Sig	gnature dence			
KEST	rence		Jackson Heights, New York	
Citiz	zenship	)	Chinese	
			Same as above	
Full inv	name c			
		ntor's	Data	
			Date 180 East 79th Street	
		·	New York, New York 10021	
Citiz	zenship			
			Same as above	
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kes10	ience		1510 Oak Creek Drive Palo Alto, California 9430	74
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			Same as above	

Full name of fourth j		
inventor, if any	John Ghrayeb,	
Fourth Inventor's Signature	ghast	Date November 29,1994
Residence /	<u> 2202 Raye Road</u>	
	Thorndale, Pennsylvan	<u>ia 19372                                    </u>
Citizenship	US	
Post Office Address	Same as above	
Full name of fifth jo		
inventor, if any	David M. Knight	
Fifth Inventor's		
Signature		_Date
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	Berwyn, Pennsylvania	19312
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inventor, if any	Scott A. Siegel	
Sixth Inventor's	•	
Signature		Date
Residence	6 Piccadilly Way	
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Priority Claimed		
(Number) (Country) (Day/Month/Year filed) // // Yes No		
(Number) (Country) (Day/Month/Year filed) / Yes No		
(Number) (Country) (Day/Month/Year filed) Yes No		

I hereby claim the benefit under Title 35, United States Code, \$120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, \$112, I acknowledge the duty to disclose information known by me to be material to patentability as defined in 37 C.F.R. §1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

08/010,406	January 29, 1993 Pending
(Application Serial No.)	(Filing date) (Status, patented,
	pending, abandoned)
08/013,413	February 2, 1993 Abandoned
(Application Serial No.)	(Filing date) (Status, patented,
	pending, abandoned)
07/943,852	September 11, 1992 Abandoned
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07/853,606	March 18, 1992 Abandoned
(Application Serial No.)	(Filing date) (Status, patented,
	pending, abandoned)
07/670,827	March 18, 1991 Abandoned
(Application Serial No.)	(Filing date) (Status, patented,
	pending, abandoned)

As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

I also hereby grant additional Powers of Attorney to the following attorney(s) and/or agent(s) to file and prosecute an international application under the Patent Cooperation Treaty based upon the above-identified application, including a power to meet all designated office requirements for designated states.

David E. Brook	Registration No	o. 22,592
James M. Smith	Registration No	
Leo R. Reynolds	Registration No	
Richard A. Wise	Registration No	0. 18,041
Patricia Granahan	Registration No	o. 32,227
Mary Lou Wakimura	Registration No	o. 31,804
Thomas O. Hoover	Registration No	o. 32,470
Alice O. Carroll	Registration No	o. 33,542
Carolyn S. Elmore	Registration No	o. 37,567

all of Hamilton, Brook, Smith and Reynolds, P.C., Two Militia Drive, Lexington, Massachusetts 02173;

Send correspon	dence to: <u>David E. Brook, Esq.</u>
HAMILTO	N, BROOK, SMITH & REYNOLDS, P.C.
Two Militia	Drive, Lexington, Massachusetts 02173
Direct telepho	ne calls to: <u>David E. Brook, Esq.</u>
	(617) 861-6240
knowledge are true and belief are beli statements were mad statements and the imprisonment, or bo United States Code	re that all statements made herein of my own and that all statements made on information eved to be true; and further that these e with the knowledge that willful false like so made are punishable by fine or th, under Section 1001 of Title 18 of the and that such willful false statements may dity of the application or any patent issued
Full name of sole	
or first inventor	Junming Le
Inventor's	Data.
Signature	Date 33-26 92nd Street, Apt. 3X, Jackson Heights, New York 11372
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Citizenship	Chinese
	Same as above
Full name of second inventor, if any_	
Second Inventor's	
_ Signature	Date
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Citizenship	New York, New York 10021
Post Office Address	US Same as above
	balle as above
Full name of third inventor, if any_	
Third Inventor's	
Signature	Date
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Post Office Address	Same as above

Fourth Inventor's	
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inventor, if any	David M. Knight
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	Berwyn, Pennsylvania 19312
Citizenship Post Office Address_	
Post Uffice Address_	Same as above
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inventor, if any	Scott A. Siegel
Sixth Inventor's	Daha
Signature	Date
Signature Residence	6 Piccadilly Way
	westborough, Massachusetts 01361 -
Citizenship	US Same as above



### THE UNITED STATES PATENT AND TRADEMARK OFFICE

# Substitute Declaration for Patent Application

As a named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated next to my name;

at page 3 hereof) of the subject matter which is claimed and for which a patent is sought on the invention entitled
ANTI-THE ANTIBODIES AND PEPTIDES OF HUMAN TUMOR NECROSIS
the specification of which (check one)
$/\overline{\underline{}}$ is attached hereto.
$\sqrt{X}$ was filed onFebruary 4, 1994as Application Serial No08/192,102 and was amended on (if applicable).
I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.
I acknowledge the duty to disclose information which is known by me to be material to patentability as defined in 37 C.F.R. §1.56.
I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:
<u>Prior Foreign Application(s)</u> Priority Claimed
(Number) (Country) (Day/Month/Year filed) / Yes No
(Number) (Country) (Day/Month/Year filed) / Yes No
(Number) (Country) (Day/Month/Year filed) / Yes No

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James M. Smith	Registration	No.	28,043
Leo R. Reynolds	Registration	No.	20,884
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Thomas O. Hoover	Registration	No.	32,470
Alice O. Carroll	Registration	No.	33,542
Carolyn S. Elmore	Registration	No.	37,567

all of Hamilton, Brook, Smith and Reynolds, P.C., Two Militia Drive, Lexington, Massachusetts 02173;

	Send c	orresponde	ence to:	David E. Bi	rook, Esc	<u> </u>
		HAMILTON	, BROOK, SMI	TH & REYNOI	LDS, P.C.	·
	Two	Militia I	Drive, Lexin	gton, Massa	achusetts	02173
	Direct	telephone	e calls to:	David E.	Brook, E	lsq.
	1-77-1	-1-40,		(617) 861	L-6240	
and be stated stated impributed United	ledge a pelief ements ements sonmen ed State	re true ar are believere made and the lite, or bothes code ar	nd that all yed to be tr with the knike so made no under Second that such	statements rue; and fur cowledge tha are punisha stion 1001 common to the state of	made on ther than the willfund ble by for the later state alse state	l false ine or 18 of the
	name o		Turning In			
	iirst . ntor's	inventor	Junming Le	<u> </u>		
					Date	
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			Chinese			
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	d Inve				Data	
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Kesid	.e.i.c.e		New York,		0021	
Citiz	enship			NCW TOLK TO	021	
Post	Office	Address_	Same as ab	ove	***************************************	
		f third jo	oint <u>Peter Dado</u>	nna		
	l Invent nature				Date	
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Citiz	enship		US			
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Full name of fourth joint inventor, if any John Ghrayeb Fourth Inventor's Date Signature 3202 Raye Road Residence\_\_\_ Thorndale, Pennsylvania 19372 Citizenship\_ US Post Office Address\_ Same as above Full name of fifth joint inventor, if any David M. Knight Fifth Inventor's Signature Date 2430 Whitehorse Road Residence\_\_\_ 19312 Berwyn, Pennsylvania Citizenship\_ US Post Office Address\_\_\_ Same as above \_\_\_\_\_\_ Full name of sixth joint inventor, if any /Scott W. Siegel Sixth Inventor's Date 11/28/94 Signature 6/Piccadilly Way Residence\_\_ Westborough, Massachusetts 01581 Citizenship\_\_ US Post Office Address\_ Same as above